

## EAST Search History

| Ref # | Hits | Search Query   | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|--|-----------------|------------------|---------|------------------|
| L1    | 1    | "5835599".pn.  | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 21:08 |
| L2    | 1    | us-20020153424-\$.did.   | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 21:09 |
| L3    | 2    | I1 I2  | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 21:09 |
| S1    | 1155 | ((encryption verification confirmation authentication) same (value key code number)) and (transaction payment purchase charge) and ((encryption encrypt encrypting) same (first second half part quarter section) and ((exclusive)((exclusive )same operation))) | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 13:01 |
| S2    | 5    | S1 and (base adj record)   | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 13:02 |
| S3    | 938  | (generat\$ produces producing production creat\$ calcula\$) same (dynamic realtime (real adj time)) same ((verification authentication confirmation) near10 (key value code number))   | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 13:17 |
| S4    | 2053 | S1 S3  | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 13:06 |
| S5    | 1309 | S4 and (((account id identification) near3 number) (transaction near3 counter) cryptogram (digital adj signature))   | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 13:08 |
| S6    | 547  | S3 and (((account id identification) near3 number) (transaction near3 counter) cryptogram (digital adj signature))   | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 13:17 |
| S7    | 1338 | ((account id identification) near3 number) same ((transaction near3 counter) cryptogram (digital adj signature))   | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 13:09 |
| S8    | 36   | S7 and S6  | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 13:09 |
| S10   | 936  | (generat\$ produces producing production creat\$ calcula\$) same (dynamic dynamically) same ((verification authentication confirmation) near10 (key value code number))  | US-PGPUB; USPAT | OR               | ON      | 2008/01/06 13:21 |

## EAST Search History

|     |      |  |                 |    |    |                  |
|-----|------|--|-----------------|----|----|------------------|
| S11 | 389  | S10 and ((independent independently independant independantly) same (generat\$ produces producing production creat\$ calcula\$)) and (compare comparison verify verification verifies verified different differ identical matching)                              | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:23 |
| S12 | 193  | S10 and ((independent independently independant independantly) same (generat\$ produces producing production creat\$ calcula\$)) same (compare comparison verify verification verifies verified different differ identical matching)                             | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:57 |
| S13 | 87   | S5 and S12   | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:50 |
| S15 | 345  | S5 and S10   | US-PGPUB; USPAT | OR | ON | 2008/01/06 14:19 |
| S16 | 936  | (generat\$ produces producing production creat\$ calcula\$) same (dynamic dynamically) same ((verification authentication confirmation) near10 (key value code number))  | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:34 |
| S17 | 389  | S16 and ((independent independently independant independantly) same (generat\$ produces producing production creat\$ calcula\$)) and (compare comparison verify verification verifies verified different differ identical matching)                              | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:34 |
| S18 | 1155 | ((encryption verification confirmation authentication) same (value key code number)) and (transaction payment purchase charge) and ((encryption encrypt encrypting) same (first second half part quarter section) and ((exclusive)((exclusive )same operation))) | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:34 |
| S19 | 938  | (generat\$ produces producing production creat\$ calcula\$) same (dynamic realtime (real adj time)) same ((verification authentication confirmation) near10 (key value code number))   | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:34 |
| S20 | 2053 | S18 S19  | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:34 |

## EAST Search History

|     |      |  |                 |    |    |                  |
|-----|------|--|-----------------|----|----|------------------|
| S21 | 1309 | S20 and (((account id identification) near3 number) (transaction near3 counter) cryptogram (digital adj signature))  | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:34 |
| S22 | 1338 | ((account id identification) near3 number) same ((transaction near3 counter) cryptogram (digital adj signature))   | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:34 |
| S23 | 52   | S22 and S21  | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:34 |
| S24 | 149  | S21 and S17  | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:34 |
| S26 | 818  | 705/16.ccls.   | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:56 |
| S27 | 1400 | 705/38.ccls.   | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:53 |
| S28 | 444  | 705/29.ccls.   | US-PGPUB; USPAT | OR | ON | 2008/01/06 15:38 |
| S29 | 1684 | 705/40.ccls.   | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:56 |
| S30 | 2    | ("6112191" "5832458").pn.  | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:53 |
| S31 | 4224 | S26 S27 S28 S29  | US-PGPUB; USPAT | OR | ON | 2008/01/06 13:56 |
| S32 | 193  | S16 and ((independent independently independant independantly) same (generat\$ produces producing production creat\$ calcula\$)) same (compare comparison verify verification verifies verified different differ identical matching)   | US-PGPUB; USPAT | OR | ON | 2008/01/06 14:13 |
| S33 | 1    | S32 and S31  | US-PGPUB; USPAT | OR | ON | 2008/01/06 14:12 |
| S34 | 123  | (card portable adj device) same (generates produces generation calculate calculation creat\$ generat\$) same (key code number result value) same (verifica\$ verify verifying authenti\$ confirm confirmation confirmed confirming) same (dynamic dynamically) same (seperate seperately independently independent remote remotely individual individually autonomous autonomously ) | US-PGPUB; USPAT | OR | ON | 2008/01/06 14:56 |

## EAST Search History

|     |      |  |                    |    |    |                  |
|-----|------|--|--------------------|----|----|------------------|
| S35 | 30   | (card portable adj device) same<br>(generates produces generation<br>calculate calculation creat\$<br>generat\$) same (key code number<br>result value) same (verifica\$ verify<br>verifying authenti\$ confirm<br>confirmation confirmed confirming)<br>same (dynamic dynamically) same<br>(seperate seperately independently<br>independent remote remotely<br>individual individually autonomous<br>autonomously ) and (encryp\$ and<br>decryp\$) and counter | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 14:28 |
| S36 | 0    | ("466207" "468831").pn.  | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:00 |
| S37 | 0    | "466207".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 14:57 |
| S38 | 163  | li.in. and card.ti.  | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 14:58 |
| S39 | 2    | li.in. and (card adj card).ti.   | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 14:59 |
| S45 | 0    | "632611".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:31 |
| S46 | 10   | ("4731843" "4802217" "5003597"<br>"5351299" "5381680" "5442705"<br>"5592553" "5671284" "5687237"<br>"5687238").pn.   | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:33 |
| S47 | 1    | ("5632611").pn.  | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:33 |
| S48 | 0    | ("632611").pn.   | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:33 |
| S49 | 1    | ("6326110").pn.  | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:33 |
| S50 | 1    | "5835599".pn.  | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:34 |
| S51 | 632  | 705/67.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:40 |
| S52 | 590  | 705/75.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:40 |
| S53 | 1135 | S51 S52  | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 15:41 |

## EAST Search History

|     |    |  |                    |    |    |                  |
|-----|----|--|--------------------|----|----|------------------|
| S54 | 26 | S53 and (dynamic dynamically)<br>same (creat\$ calculat\$ generat\$)<br>same (key code certificate token<br>value word number ciphertext<br>plaintext) same (verify verification<br>verified verifies authenti\$ compare<br>comparable) and (transaction same<br>card) | US-PGPUB;<br>USPAT | OR | ON | 2008/01/06 16:53 |
|-----|----|--|--------------------|----|----|------------------|